

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1 1. (Currently amended) A method for sharing a security context for a given
2 application client between different applications associated with the given
3 application client on a database server, comprising:
4 receiving a request at the database server through a database session
5 between the database server and an application on a database client;
6 looking up an identifier for the given application client that identifies a
7 client of the application, wherein the identifier for the given application client
8 identifies a user of the application that is sending the request to the database
9 server, the identifier having been previously associated with the database session;
10 using the identifier to look up the security context for the given application
11 client within a storage area associated with the database server;
12 wherein the security context includes attributes related to the given
13 application client;
14 wherein only applications associated with the given application client ~~and~~
15 ~~not applications associated with other clients~~ will receive the security context for
16 the given client;
17 receiving the security context for the given application client from the
18 database client;
19 inserting the security context into the storage area associated with the
20 database server so that the security context can be indexed by the identifier for the
21 given application client;

22 performing a database operation to satisfy the request;
23 wherein performing the database operation involves enforcing access
24 rights associated with the security context; and
25 allowing the given application client to use the same security context
26 through a second application and a second database session by:
27 receiving a second request at the database server through
28 the second database session with the second application,
29 looking up the identifier for the given application client, the
30 identifier having been previously associated with the second
31 database session, and
32 using the identifier to look up the security context for the
33 given application client within the storage area associated with the
34 database server.

1 2. (Original) The method of claim 1, wherein the request includes a
2 database query directed to a database on the database server.

1 3. (Original) The method of claim 2, wherein performing the database
2 operation involves modifying the database query to enforce access rights
3 associated with the security context.

1 4 (Canceled).

1 5. (Previously presented) The method of claim 1,
2 wherein the database client is an application server that is sending the
3 request to the database server; and

4 wherein the identifier for the given application client identifies an
5 application session between the application on the application server and the
6 client of the application.

1 6. (Original) The method of claim 5, further comprising:
2 receiving a request from the application to change the application session
3 associated with the database session; and
4 changing the application session associated with the database session.

1 7. (Original) The method of claim 5, further comprising facilitating
2 connection pooling by periodically changing the application session associated
3 with the database session in order to channel requests associated with multiple
4 application sessions through the database session.

1 8-9 (Canceled).

1 10. (Currently amended) A computer-readable storage medium storing
2 instructions that when executed by a computer cause the computer to perform a
3 method for sharing a security context for a given application client between
4 different applications associated with the given application client on a database
5 server, the method comprising:
6 receiving a request at the database server through a database session
7 between the database server and an application on a database client;
8 looking up an identifier for the given application client that identifies a
9 client of the application, wherein the identifier for the given application client
10 identifies a user of the application that is sending the request to the database
11 server, the identifier having been previously associated with the database session;

12 using the identifier to look up the security context for the given application
13 client within a storage area associated with the database server;
14 wherein the security context includes attributes related to the given
15 application client;
16 wherein only applications associated with the given application client and
17 ~~not applications associated with other clients~~ will receive the security context for
18 the given client;
19 receiving the security context for the given application client from the
20 database client;
21 inserting the security context into the storage area associated with the
22 database server so that the security context can be indexed by the identifier for the
23 given application client;
24 performing a database operation to satisfy the request;
25 wherein performing the database operation involves enforcing access
26 rights associated with the security context; and
27 allowing the given application client to use the same security context
28 through a second application and a second database session by:
29 receiving a second request at the database server through
30 the second database session with the second application,
31 looking up the identifier for the given application client, the
32 identifier having been previously associated with the second
33 database session, and
34 using the identifier to look up the security context for the
35 given application client within the storage area associated with the
36 database server.

1 11. (Original) The computer-readable storage medium of claim 10,
2 wherein the request includes a database query directed to a database on the
3 database server.

1 12. (Original) The computer-readable storage medium of claim 11,
2 wherein performing the database operation involves modifying the database query
3 to enforce access rights associated with the security context.

1 13 (Canceled).

1 14. (Previously presented) The computer-readable storage medium of
2 claim 10,
3 wherein the database client is an application server that is sending the
4 request to the database server; and
5 wherein the identifier for the given application client identifies an
6 application session between the application on the application server and the
7 client of the application.

1 15. (Original) The computer-readable storage medium of claim 14,
2 wherein the method further comprises:
3 receiving a request from the application to change the application session
4 associated with the database session; and
5 changing the application session associated with the database session.

1 16. (Original) The computer-readable storage medium of claim 14,
2 wherein the method further comprises facilitating connection pooling by
3 periodically changing the application session associated with the database session

4 in order to channel requests associated with multiple application sessions through
5 the database session.

1 17-18 (Canceled).

1 19. (Currently amended) An apparatus that facilitates sharing a security
2 context for a given application client between different applications associated
3 with the given application client on a database server, comprising:

4 a receiving mechanism that is configured to receive a request at the
5 database server through a database session between the database server and an
6 application on a database client;

7 wherein the receiving mechanism is further configured to receive the
8 security context for the given application client from the database client;

9 wherein the receiving mechanism is further configured to receive a second
10 request at the database server through a second database session between the
11 database server and a second application;

12 a lookup mechanism that is configured to look up an identifier for an given
13 application client that identifies a client of the application, wherein the identifier
14 for the given application client identifies a user of the application that is sending
15 the request to the database server, the identifier having been previously associated
16 with the database session;

17 wherein the lookup mechanism is configured to use the identifier to look
18 up the security context for the given application client within a storage area
19 associated with the database server;

20 wherein the lookup mechanism is further configured to look up the
21 identifier for the given application client, the identifier having been previously
22 associated with the second database session;

23 wherein the lookup mechanism is further configured to use the identifier to
24 look up the security context for the given application client within the storage area
25 associated with the database server;
26 wherein the security context includes attributes related to the given
27 application client;
28 wherein only applications associated with the given application client and
29 ~~not applications associated with other clients~~ will receive the security context for
30 the given client;
31 a security context initialization mechanism that is configured to insert the
32 security context into the storage area associated with the database server so that
33 the security context can be indexed by the identifier for the given application
34 client; and
35 a database engine that is configured to perform a database operation to
36 satisfy the request;
37 wherein performing the database operation involves enforcing access
38 rights associated with the security context.

1 20. (Original) The apparatus of claim 19, wherein the request includes a
2 database query directed to a database on the database server.

1 21. (Original) The apparatus of claim 19, wherein the database engine is
2 configured to perform the database operation by modifying the database query to
3 enforce access rights associated with the security context.

1 22 (Canceled).

1 23. (Previously presented) The apparatus of claim 19,

2 wherein the database client is an application server that is sending the
3 request to the database server; and

4 wherein the identifier for the given application client identifies an
5 application session between the application on the application server and the
6 client of the application.

1 24. (Original) The apparatus of claim 23, wherein the receiving
2 mechanism is additionally configured to receive a request from the application to
3 change the application session associated with the database session; and
4 further comprising a changing mechanism that is configured to change the
5 application session associated with the database session in response to the request.

1 25. (Original) The apparatus of claim 24, wherein the changing
2 mechanism is further configured to facilitate connection pooling by periodically
3 changing the application session associated with the database session in order to
4 channel requests associated with multiple application sessions through the
5 database session.

1 26-27 (Canceled).